

NOTATION

The following is a list of acronyms and abbreviations, chemical names, and units of measure used in this document.

GENERAL ACRONYMS AND ABBREVIATIONS

| | |
|--------|---|
| ACEP | American Centrifuge uranium enrichment plant |
| ALARA | as low as reasonably achievable |
| ANL | Argonne National Laboratory |
| ANP | Advanced Nuclear Power, Inc. |
| ATSDR | Agency for Toxic Substances and Disease Registry |
| BAT | best available technologies |
| CAP | Citizen's Advisory Panel |
| CEQ | Council on Environmental Quality |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| D&D | decontamination and decommissioning |
| DCG | derived concentration guide |
| DEIS | Draft Environmental Impact Statement |
| DNFSB | Defense Nuclear Facilities Safety Board |
| DOE | U.S. Department of Energy |
| DOT | U.S. Department of Transportation |
| EA | Environmental Assessment |
| EIS | Environmental Impact Statement |
| EPA | U.S. Environmental Protection Agency |
| ERDA | U.S. Energy Research and Development Administration |
| ETTP | East Tennessee Technology Park (formerly K-25 site) |
| FOCI | Foreign Ownership, Control and Influence |
| FR | <i>Federal Register</i> |
| GDP | gaseous diffusion plant |
| HP | health physics |
| ICRP | International Commission on Radiological Protection |
| KDWM | Kentucky Division of Waste Management |
| KPDES | Kentucky Pollutant Discharge Elimination System |

| | |
|-------------------|---|
| LEU | low enriched uranium |
| LLW | low-level waste |
| LOC | Local Oversight Committee |
| MEI | maximally exposed individual |
| NAAQS | National Ambient Air Quality Standard(s) |
| NEPA | National Environmental Policy Act |
| NESHAPs | National Emission Standards for Hazardous Air Pollutants |
| NIOSH | National Institute of Occupational Safety and Health |
| NRC | U.S. Nuclear Regulatory Commission |
| NTS | Nevada Test Site |
| ODNR | Ohio Department of Natural Resources |
| ORC | Ohio Revised Code |
| ORNL | Oak Ridge National Laboratory |
| ORO | Oak Ridge Operations |
| ORSSAB | Oak Ridge Site Specific Advisory Board |
| PACE | Paper, Allied-Industrial, Chemical and Energy International Union |
| PEIS | Programmatic Environmental Impact Statement |
| PGDP | Paducah Gaseous Diffusion Plant |
| P.L. | Public Law |
| PM ₁₀ | particulate matter with a mean aerodynamic diameter of 10 µm or less |
| PM _{2.5} | particulate matter with a mean aerodynamic diameter of 2.5 µm or less |
| PORTS | Portsmouth Gaseous Diffusion Plant |
| PRESS | Portsmouth/Piketon Residents for Environmental Safety and Security |
| RCRA | Resource Conservation and Recovery Act |
| ROD | Record of Decision |
| SMR | steam methane reforming |
| SODI | Southern Ohio Diversification Initiative |
| TDEC | Tennessee Department of Environment and Conservation |
| TDS | total dissolved solids |
| TEPP | Transportation Emergency Preparedness Program |
| UDS | Uranium Disposition Services, LLC |
| USEC | United States Enrichment Corporation |
| WAC | waste acceptance criteria |

CHEMICALS

| | |
|-------------------------------|-------------------------------|
| CaF ₂ | calcium fluoride |
| DU | depleted uranium |
| DUF ₆ | depleted uranium hexafluoride |
| HF | hydrogen fluoride |
| NH ₃ | ammonia |
| NO _x | nitrogen oxides |
| Np | neptunium |
| Pu | plutonium |
| TCE | trichloroethylene |
| TRU | transuranic(s) |
| U ₃ O ₈ | triuranium octaoxide |
| UF ₄ | uranium tetrafluoride |

UNITS OF MEASURE

| | | | |
|------------------|-----------------------|-----------------|------------------------|
| °C | degree(s) Celsius | kg | kilogram(s) |
| Ci | curie(s) | km | kilometer(s) |
| cm | centimeter(s) | km ² | square kilometer(s) |
| | | kPa | kilopascal(s) |
| d | day(s) | | |
| dB | decibel(s) | L | liter(s) |
| dB(A) | A-weighted decibel(s) | lb | pound(s) |
| °F | degree(s) Fahrenheit | m | meter(s) |
| ft | foot (feet) | m ² | square meter(s) |
| ft ² | square foot (feet) | m ³ | cubic meter(s) |
| ft ³ | cubic foot (feet) | MeV | million electron volts |
| | | mg | milligram(s) |
| g | gram(s) | mi | mile(s) |
| gal | gallon(s) | mi ² | square mile(s) |
| | | min | minute(s) |
| h | hour(s) | mL | milliliter(s) |
| ha | hectare(s) | mph | mile(s) per hour |
| | | mR | milliroentgen(s) |
| in. | inch(es) | mrem | millirem(s) |
| in. ² | square inch(es) | mSv | millisievert(s) |

| | | | |
|------|-----------------------------------|-----------------|-------------------------|
| MVA | megavolt-ampere(s) | rem | roentgen equivalent man |
| MW | megawatt(s) | | |
| MWh | megawatt-hour(s) | s | second(s) |
| | | Sv | sievert(s) |
| nCi | nanocurie(s) | | |
| | | t | metric ton(s) |
| oz | ounce(s) | ton(s) | short ton(s) |
| | | wt% | percent by weight |
| pCi | picocurie(s) | yd ³ | cubic yard(s) |
| ppb | part(s) per billion | yr | year(s) |
| ppm | part(s) per million | | |
| psia | pound(s) per square inch absolute | μg | microgram(s) |
| psig | pound(s) per square inch gauge | μm | micrometer(s) |